

AD2CompEng Final Project Meeting

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Status

- Mihai Duta and I now feel we are fairly expert in using Tapenade
- It is an integral part of HYDRA code development for linear and adjoint solvers
- Devendra Ghate and I used it for a simple 2D airfoil code (motivated initially by research on uncertainty analysis) and wrote this up as a testcase on using Tapenade
 - presentation and hands-on workshop in Bangalore in Dec '05
 - paper to appear in due course, probably in CFD Journal
 - webpage with full code available for download

Constraints

None?!

- Very happy with Laurent Hascoët's responsiveness to queries
- Registered with Tapenade user mailing list so I see the queries coming from the user community
- Have upgraded to the latest release with problems
- Licensing terms and conditions are ideal for us, and good for Rolls-Royce
- Would like to see C support at some time, but I appreciate the difficulties with that

Future

- Will definitely continue to use Tapenade for HYDRA
- Happy to advise/encourage/help others to use it
- Will keep in touch with AD developments through the European AD Workshops (next in Oxford on June 1st)